State of Transportation in Hampton Roads

Commonwealth Transportation Board

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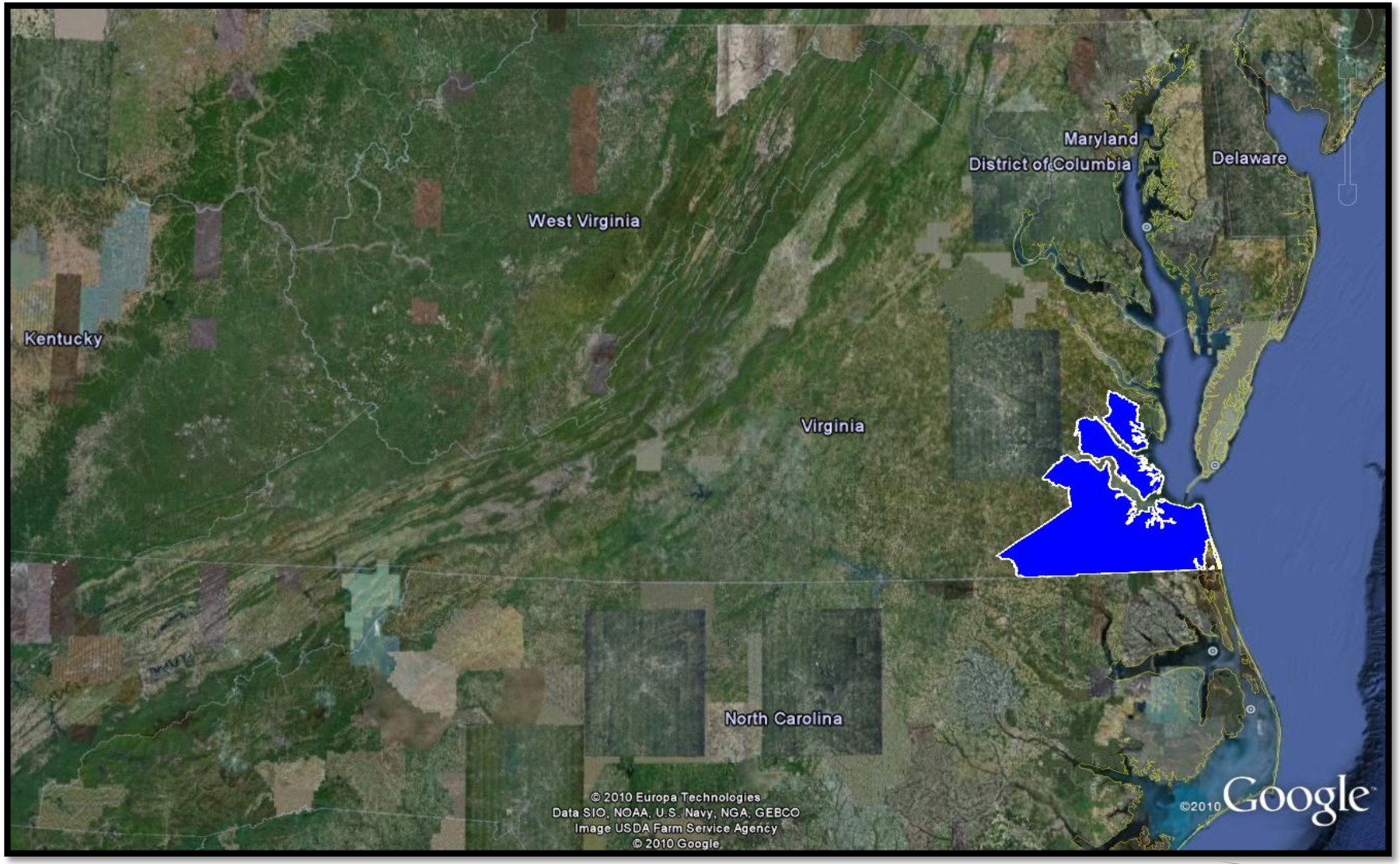
Executive Director

HAMPTON ROADS TPO
TRANSPORTATION PLANNING ORGANIZATION

Overview

- Tour of Hampton Roads
- Regional Transportation Chokepoints
- Project Prioritization
- Major Transportation Projects

Hampton Roads, Virginia



Hampton Roads

- Ten Cities, Six Counties
- Population of 1.7 million people

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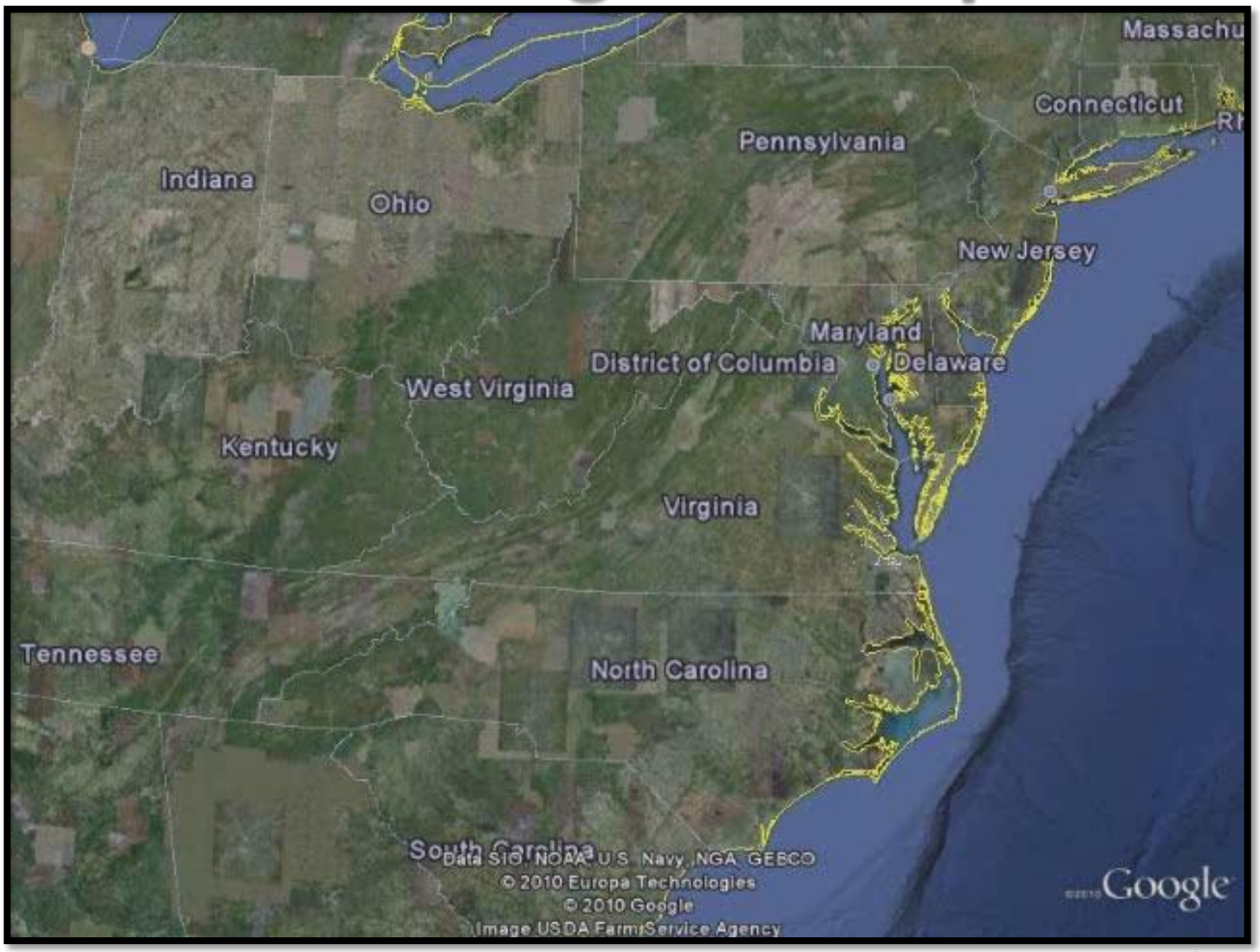
Locations of Regional Importance



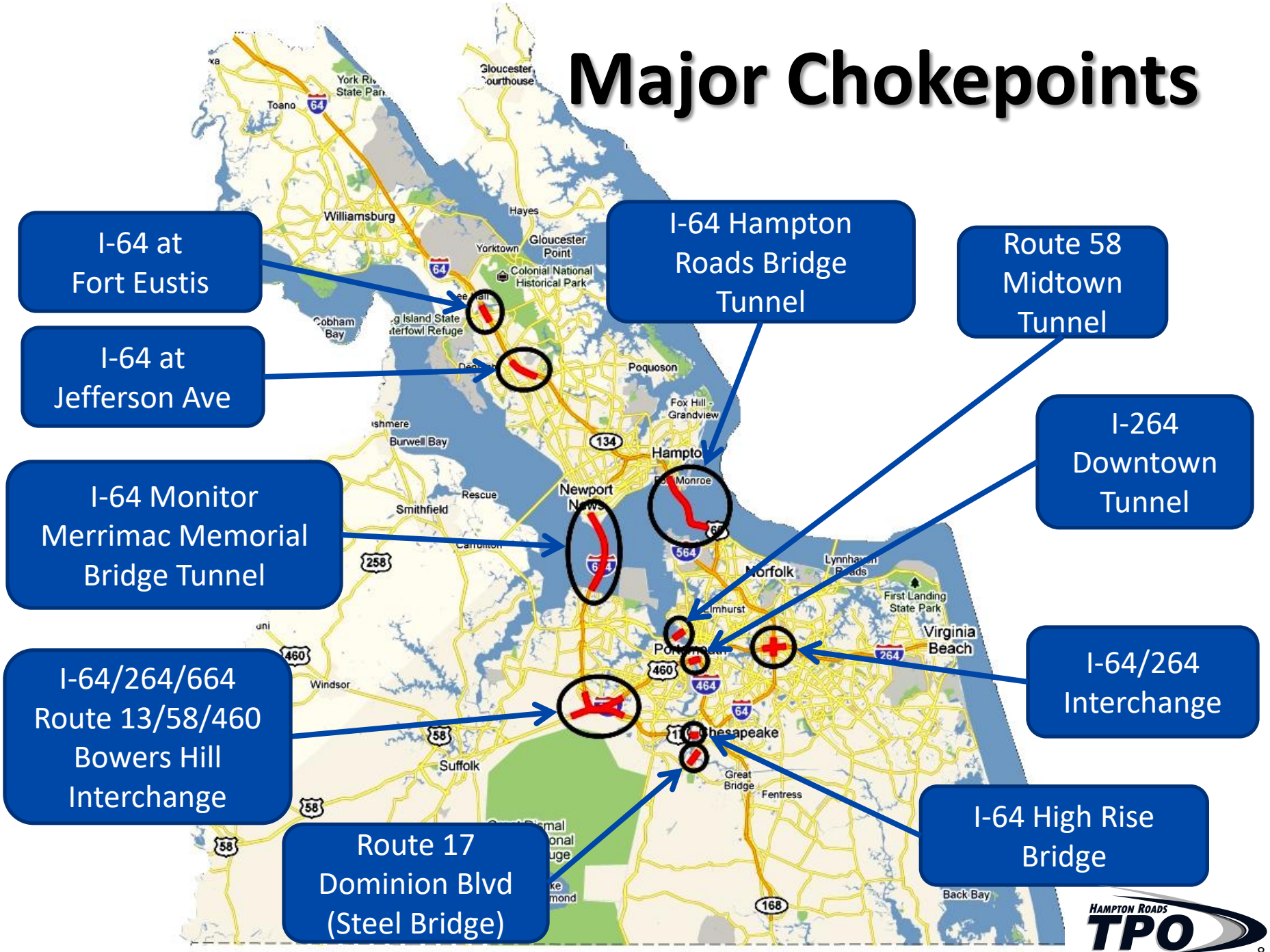
Military and Federal Facilities

Port of Virginia

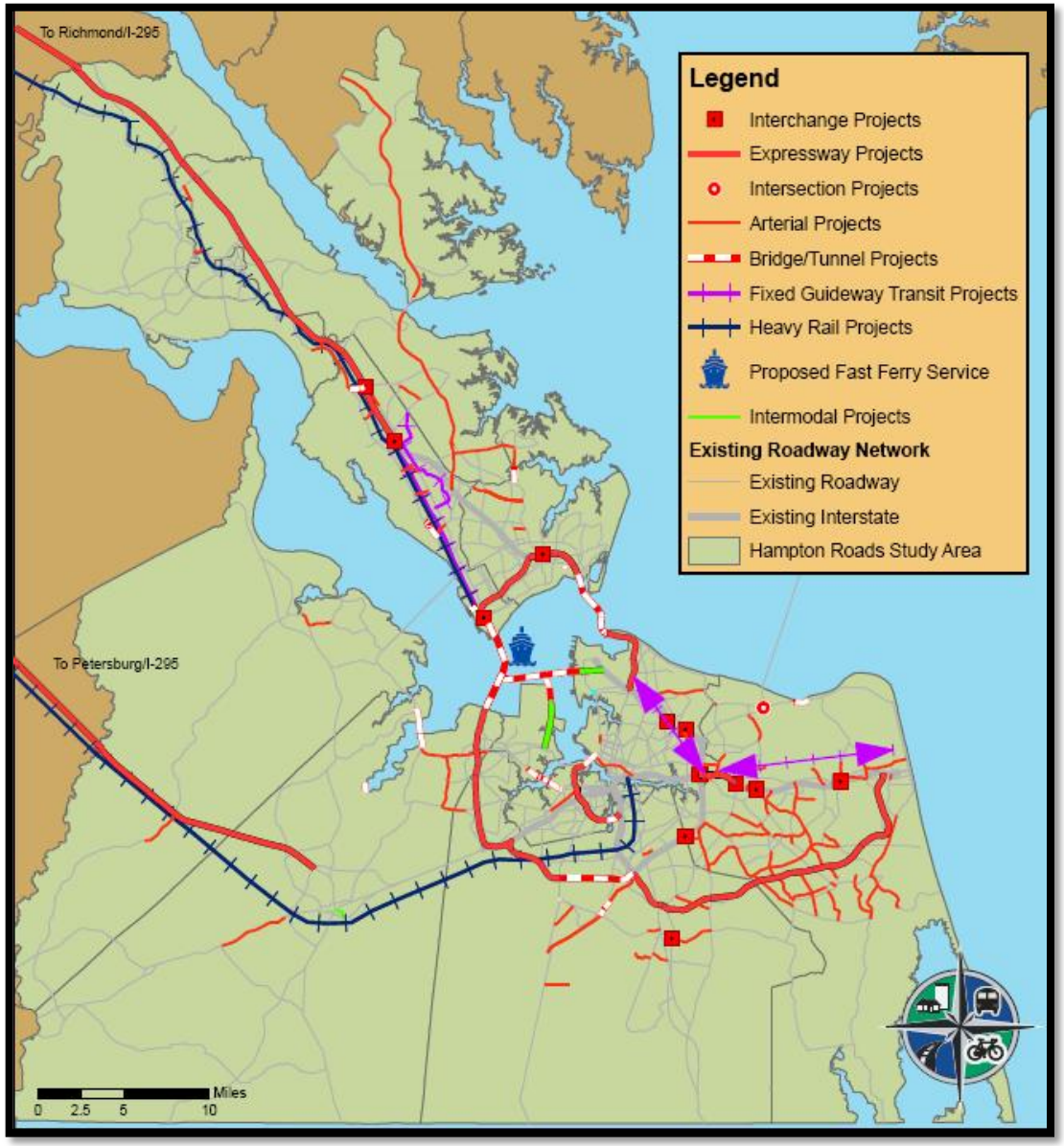
- **Port of VA includes:**
  - Norfolk International Terminal
  - Portsmouth Marine Terminal
  - APM Terminal
  - Newport News Marine Terminal

- **Deepest water channel on the East Coast**
- **Moves 15 million tons of cargo annually**
- **$41 billion economic impact to the Commonwealth**
- **3rd largest port on East Coast**

Major Chokepoints



2034 Long-Range Transportation Plan



- Currently under development
- Approximately **155 Candidate Projects** totaling **$30 Billion**
- **$2 Billion available** for transportation projects

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HRTPO Project Prioritization

Project Prioritization Components

- **Project Utility** – Effectiveness
- **Project Viability** – Feasibility
- **Economic Vitality** – Potential for Economic Gain

Project Categories

A set of project categories has been established to evaluate similar projects separately

- **Highways**
- **Bridge/Tunnel**
- **Transit**
- **Intermodal**
- **Systems Management/Transportation Demand Management/Operational Improvements**
- **Bicycle and Pedestrian**

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2034 CANDIDATE PROJECTS

High Priority Projects:

- Midtown Tunnel/MLK Extension
- Dominion Boulevard
- Third Crossing
- Hampton Roads Bridge-Tunnel
- I-64 Widening (Peninsula)
- I-64 Widening (Southside)
- Route 460 Corridor Improvements
- Southeastern Parkway and Greenbelt
- Richmond/Hampton Roads Passenger Rail

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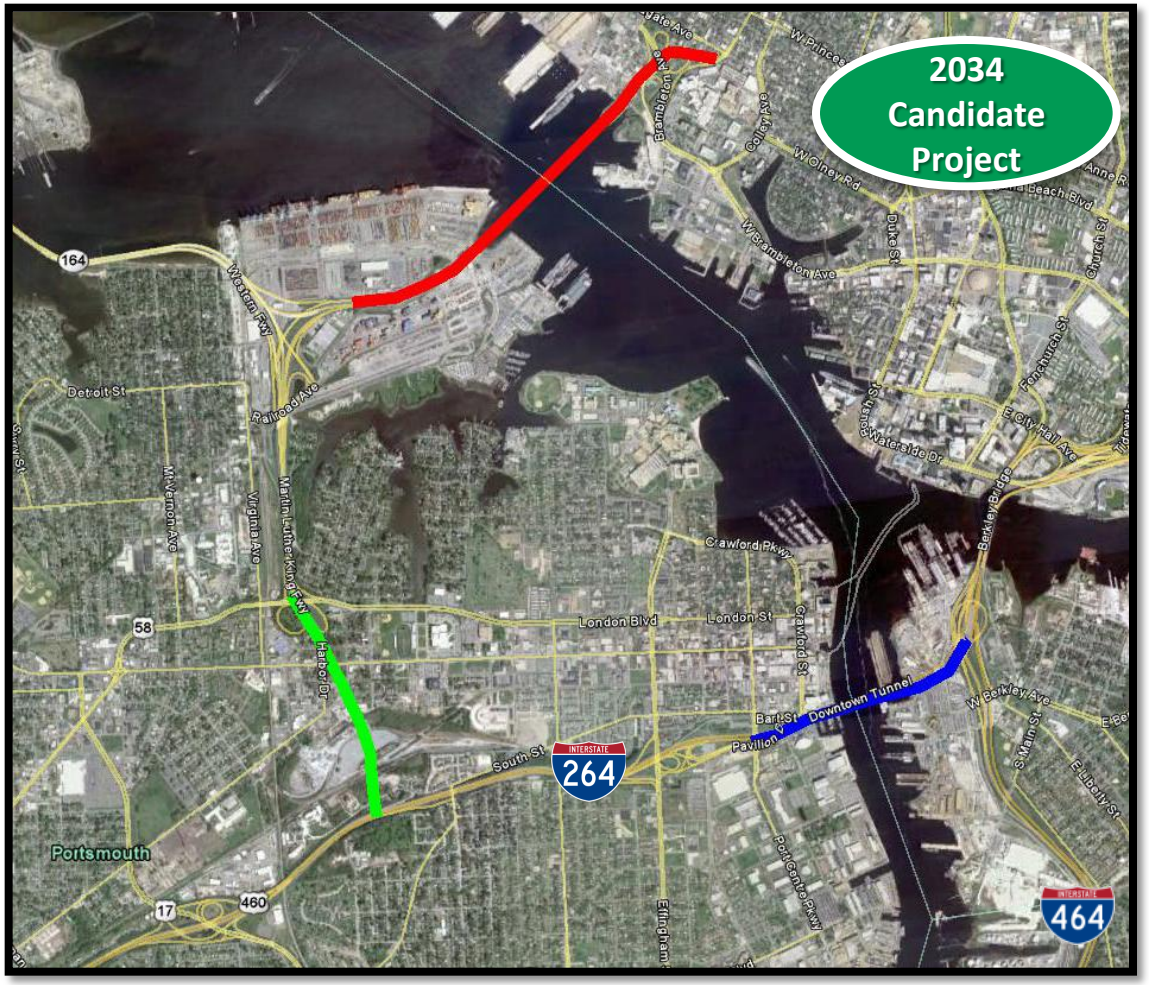
58 / INTERSTATE 264 Midtown Tunnel and MLK Extension

- **New 2-lane tunnel and upgrading existing 2-lane Midtown tunnel**
- **Extension of Martin Luther King (MLK) Freeway to I-264**
- **Safety Improvements in Downtown Tunnel**



Estimated Cost: $1.3 Billion

Cost Source: Virginia Department of Transportation
Note: Costs are presented in "Year of Expenditure" dollars.

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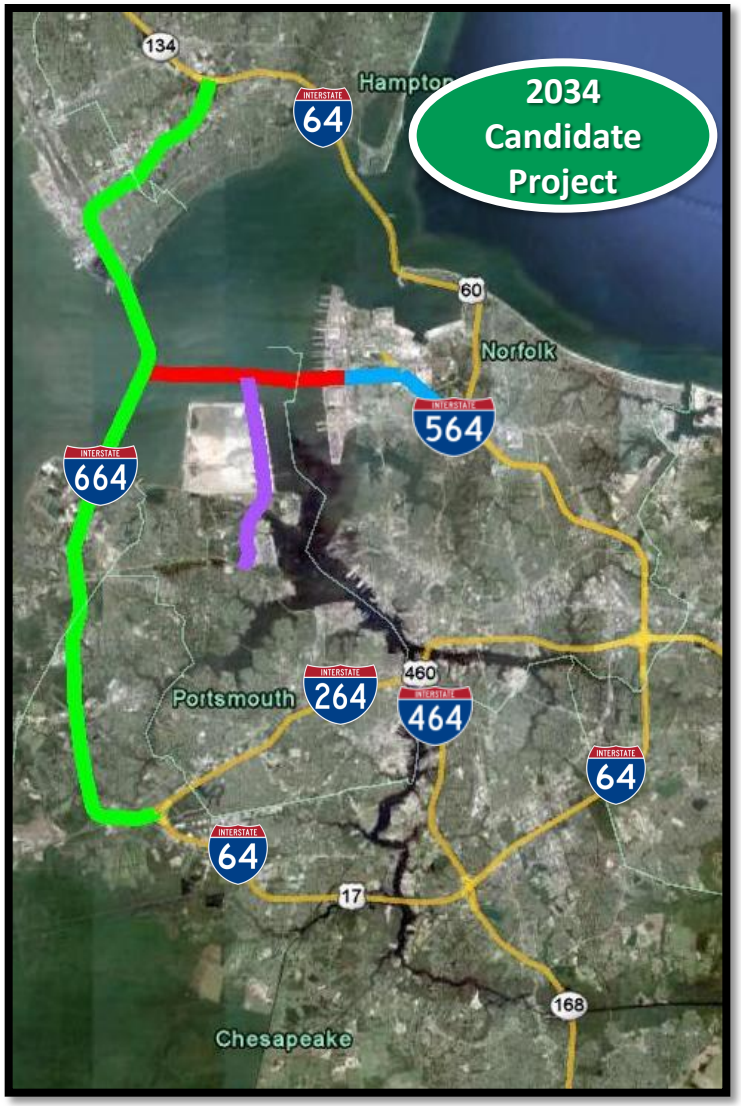
17 Dominion Boulevard

- **Widening from a 2-lane to a 4-lane facility**
- **Replacement of Steel Bridge (drawbridge to fixed span)**

Estimated Cost: $435 Million

Cost Source: City of Chesapeake
Note: Costs are presented in "Year of Expenditure" dollars.

I-564 / I-664 Third Crossing



- I-664 Widening from 4 lanes to 6 or 8 lanes
- East-West Bridge-Tunnel Connector
- Intermodal Connector
- Craney Island Connector

Estimated Cost: $5.4 Billion

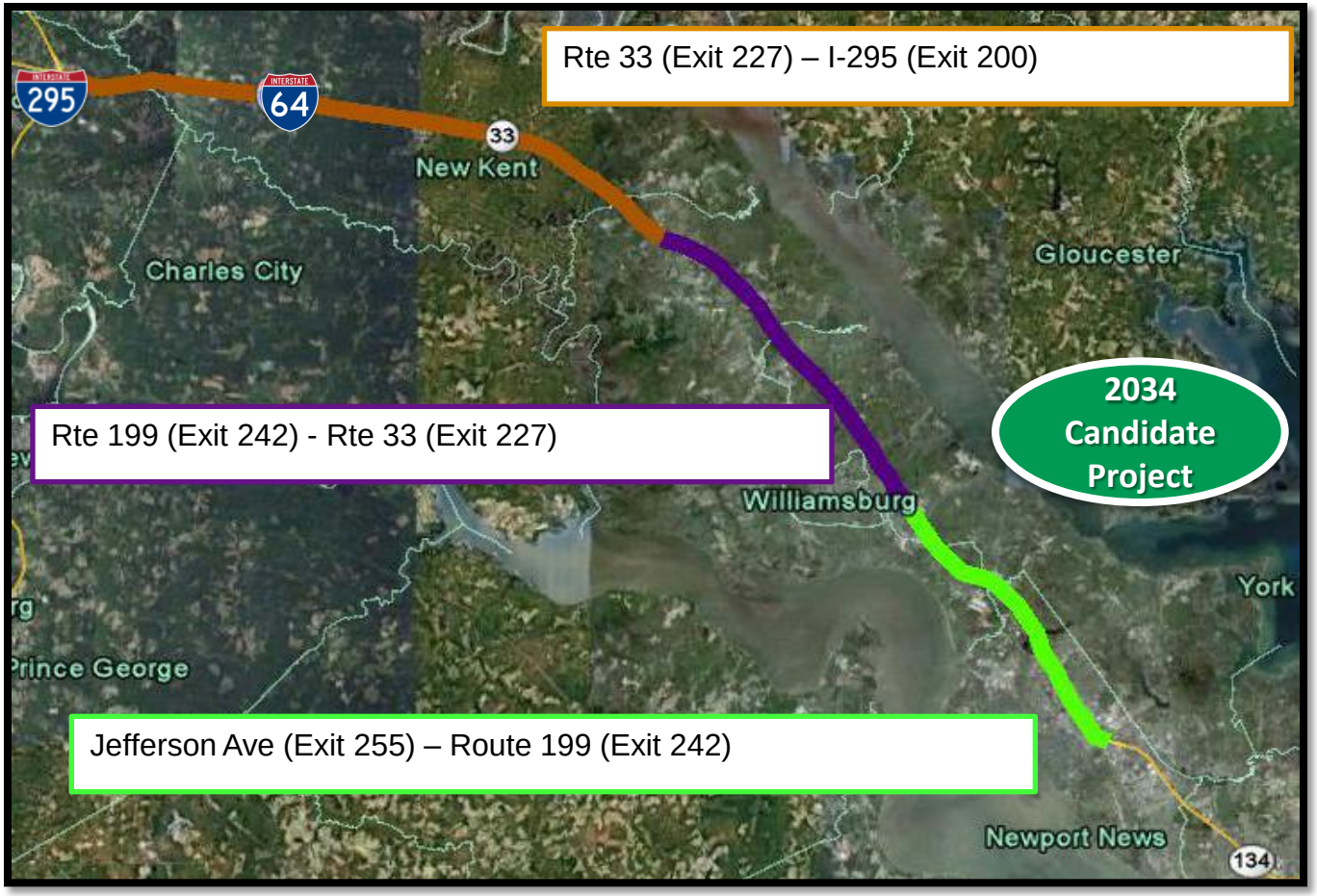
Cost Source: Virginia Department of Transportation
Note: Costs are presented in "Year of Expenditure" dollars.

Hampton Roads Bridge-Tunnel (HRBT)

- **Widening from 4-lanes to 6- or 8-lanes**
- **Estimated Cost:**
  - **6-lanes: $2.2 Billion**
  - **8-lanes: $3.3 Billion**

Cost Source: VDOT Feasibility Study, 2008
Note: Costs are presented in "Year of Expenditure" dollars.

Peninsula Widening



- **Widening from 4-lanes to 6- or 8-lanes**

Estimated Cost: $1.9 Billion (in Hampton Roads)

Cost Source: Hampton Roads Transportation Planning Organization Planning Level Estimate for Long Range Plan
Note: Costs are presented in "Year of Expenditure" dollars.

Interstate 64 Southside Widening

- **Widening from 4-lanes to 6-lanes**
- **Replacement of High Rise Bridge**

Estimated Cost: $1.1 Billion

Cost Source: Virginia Department of Transportation
Note: Costs are presented in "Year of Expenditure" dollars.

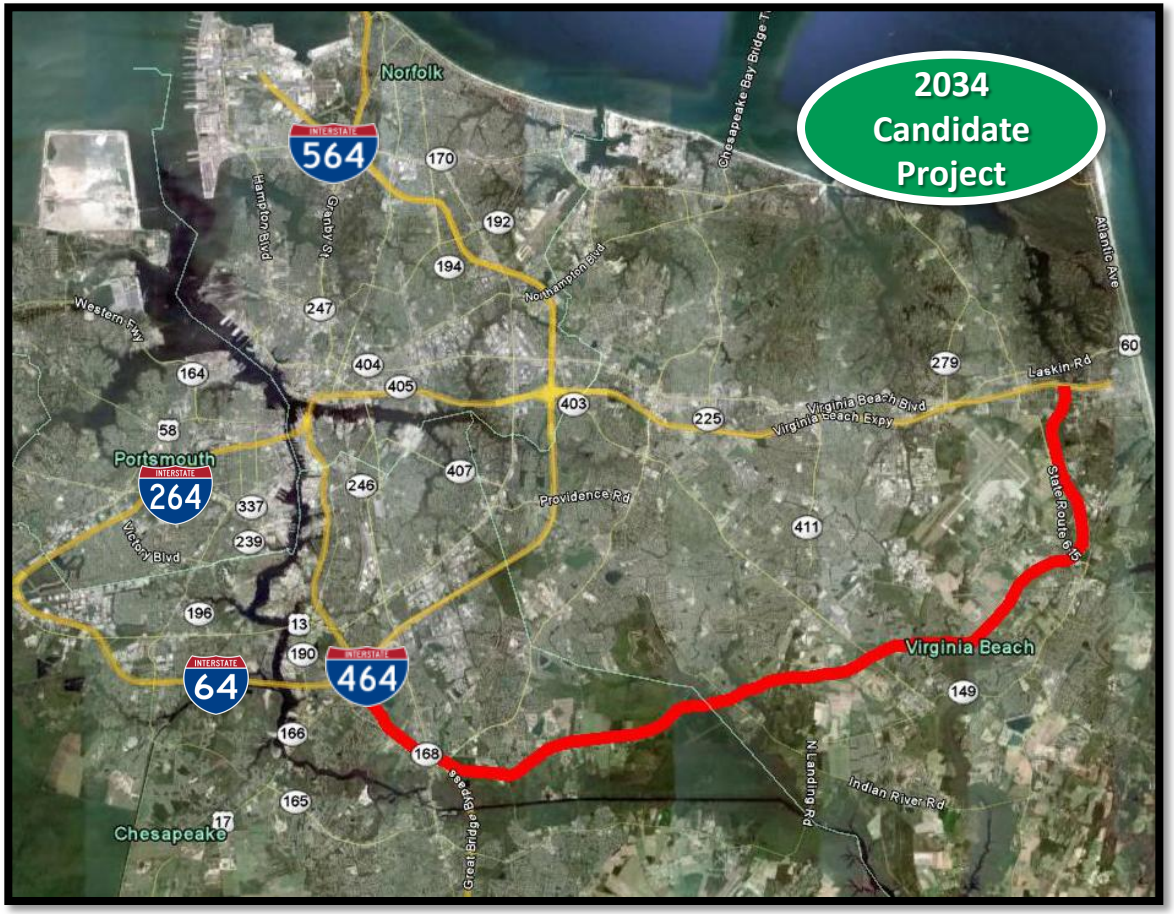
460 Corridor Improvements

- **New 4-lane limited access facility (55 miles)**
- **VDOT has received 3 new PPTA proposals**

Estimated Total Cost: $2.4 Billion

Cost Source: Virginia Department of Transportation
Note: Costs are presented in "Year of Expenditure" dollars.

Southeastern Parkway and Greenbelt

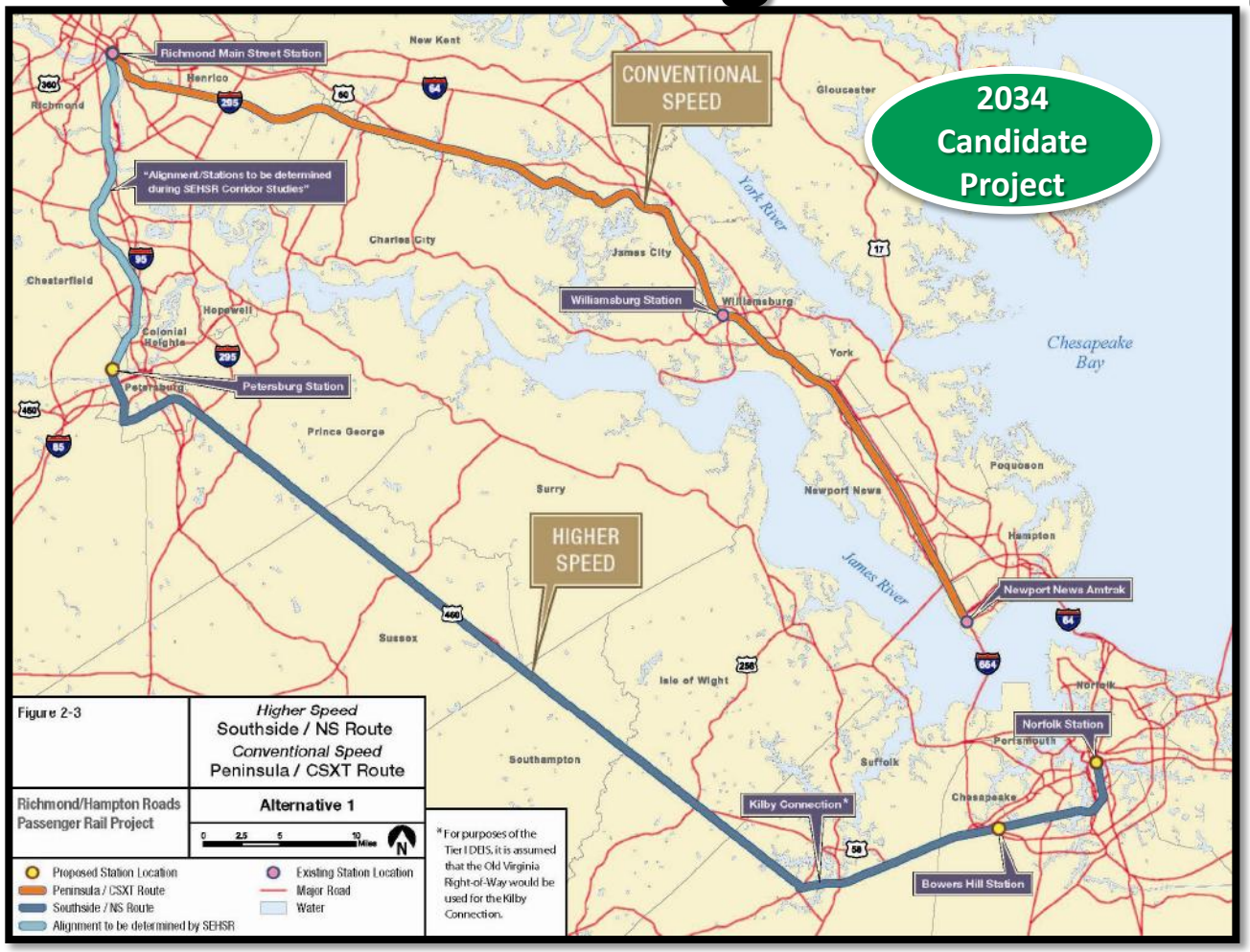


- 26 years of Planning and Preliminary Engineering
- New 4-lane limited access facility

Estimated Cost: $2.5 Billion

Cost Source: City of Virginia Beach
Note: Costs are presented in "Year of Expenditure" dollars.

Richmond/Hampton Roads Passenger Rail Project



- **Higher Speed rail service from Petersburg to Downtown Norfolk (90-mph; 6 roundtrips)**
- **Enhanced Intercity Passenger Rail from Richmond to Downtown Newport News (79-mph; 3 roundtrips)**

Image Source: Department of Rail and Public Transportation, Tier 1 Draft Environmental Impact Statement

Estimated Cost: $475 Million

Cost Source: Department of Rail and Public Transportation, Tier 1 Draft Environmental Impact Statement
Note: Costs are presented in 2008 dollars.

Regional Fixed Guideway Transit

Image Source: Hampton Roads Transit
Note: Fixed Guideway Transit includes both Light Rail and Bus Rapid Transit.

The Tide Light Rail

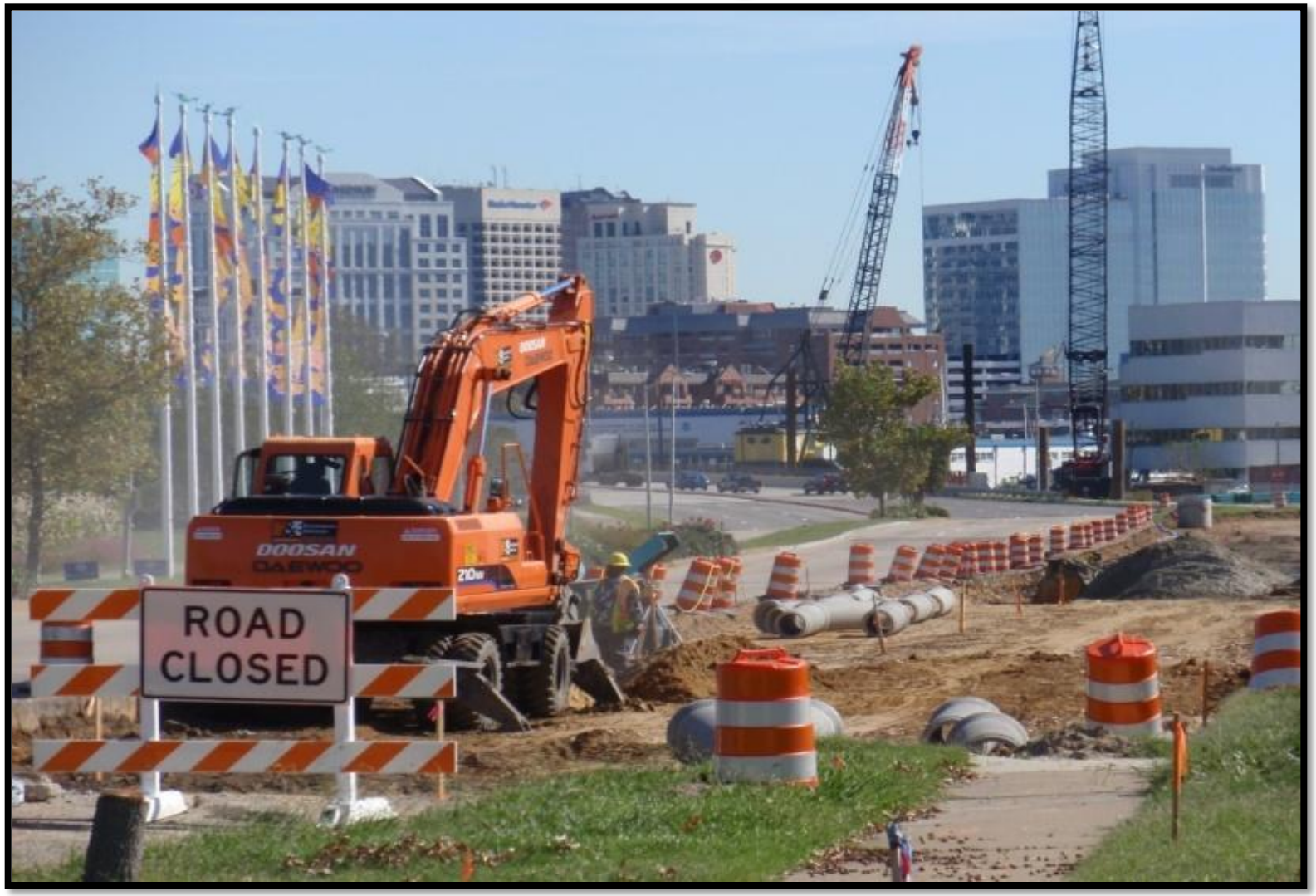


Image Source: Hampton Roads Transit

The Tide Light Rail

Image Source: Hampton Roads Transit

Maintenance Needs

- **Kings Highway Bridge**
  - Closed in 2005 due to Structural deficiencies

- **Jordan Bridge**
  - Closed in 2008 due to Structural deficiencies

Hampton Roads Transportation Planning Organization